The PROFORM on-head digital valve spring tester is designed to test valve spring pressure ranging from zero to 600 pounds (or 273 kgs.) with an indicating resolution of 5 pounds (or 2 kgs.).

There are TWO modes of operation available:
1. NORMAL mode
2. PEAK mode

This device also has THREE main features:
1. UNIT conversion (lb and kg)
2. Automatic OFF setting
3. BACKLIGHTING

MODES

NORMAL mode operating instructions

1. Before turning the device on, adjust the claw end of the tester with an allen wrench so the brass roller is centered above the roller tip of the rocker arm.
2. Turn the device on by pressing the ON button. NOTE: The display will initially indicate "0000" before displaying a single zero (see UNIT conversion to change units). If the number is not zero, press the ZERO button to zero the device.
3. Place the previously adjusted claw end of the device behind the rear of a rocker arm, and apply pressure on the device away from the intake manifold. This will compress the brass roller sensor, and the display will indicate spring pressure.

PEAK mode operation

1. Follow steps 1 & 2 in normal mode.
2. Slowly press and release the MODE button until the word PEAK appears in the display. Wait for a moment and the device will return to zero.
3. The device is now ready to measure peak pressure.
4. Follow step 3 in normal mode.
5. Press the ON/ZERO button to clear previous peak value.
6. To return to normal mode, turn the device off. The device will be in normal mode when it is turned back on. Option 2: Slowly press and hold the MODE button, while holding the MODE button quickly press the OFF button. Release both buttons, and wait a moment and the device will return to zero in normal mode (NOTE: this may also change the UNITs (lbs/kgs))

FEATURES

UNIT conversion (lbs & kgs)

1. Follow steps 1 & 2 in normal mode.

2. Press the MODE button two times and continue to hold down on the second push, while holding the MODE button, press and release the OFF button once to change the units. NOTE: When you initially press the MODE button the device will show PEAK and then UNIT on the second push.

3. Wait a moment for the device to return to zero and it is ready to use. Repeat step 2 to change the units again.

Automatic OFF setting (after 5 minutes of inactivity)

1. Follow steps 1 & 2 in normal mode.

2. Press the MODE button three times and continue to hold down on the third push, while holding the MODE button, press and release the OFF button once to change the setting. The settings are represented by "0" and "1". "0" indicates the device will remain on indefinitely, and "1" indicates the device with automatically shut off after 5 minutes of inactivity. NOTE: When you initially press the MODE button the device will show PEAK, then UNIT on the second push, and lastly OFF on the third push.

3. Wait a moment for the device to return to zero and it is ready to use. Repeat step 2 to change the units again.

BACKLIGHTING

1. Turn the device on by pressing the ON button.

2. Wait until the display reads zero then press and hold the ON button; while doing this press the MODE button to turn the backlight on, press MODE again to turn the backlight off.

On/Zero

Off

Mode

Display Unit